

Applicant: Yan R. Kucherov et al.

Confirmation No.: 1261

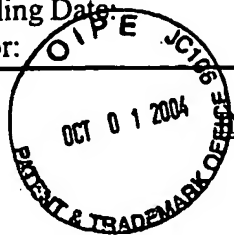
Serial No.: 10/801,072

Att'y Docket No.: 13693.22.1

Filing Date: March 15, 2004

Group: 2812

For: SOLID STATE ENERGY CONVERTER

INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANTU.S. Patent Documents

<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Issue Date</u>	<u>Name</u>
<u>ADD</u> 1	3,173,032	03/09/1965	Maynard
<u>ADD</u> 2	3,267,308	08/16/1966	Hernqvist
<u>ADD</u> 3	3,328,611	06/27/1967	Davis
<u>ADD</u> 4	3,515,908	06/02/1970	Caldwell
<u>ADD</u> 5	3,579,031	05/18/1971	Kearns
<u>ADD</u> 6	3,808,477	04/30/1974	Swank
<u>ADD</u> 7	3,843,896	10/22/1974	Rason et al.
<u>ADD</u> 8	3,890,161	06/17/1975	Brown, III
<u>ADD</u> 9	3,899,696	08/12/1975	Fletcher et al.
<u>ADD</u> 10	3,983,423	09/28/1976	Rasor et al.
<u>ADD</u> 11	4,040,903	08/09/1977	Monroe, Jr.
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<u>ADD</u> 16	4,280,074	07/21/1981	Bell
<u>ADD</u> 17	4,281,280	07/28/1981	Richards

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<u>AD</u> 18	4,298,768	11/03/1981	Israel et al.
<u>AD</u> 19	4,303,845	12/01/1981	Davis
<u>AD</u> 20	4,323,808	04/06/1982	Davis
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<u>AD</u> 22	4,368,416	01/11/1983	James, deceased
<u>AD</u> 23	4,373,142	02/08/1983	Morris
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<u>ADD</u> 41	5,722,242	03/03/1998	Edelson
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Examiner <u>Initial*</u>	Document <u>Number</u>	Publication <u>Date</u>	Country or <u>Patent Office</u>	<u>Translation</u>
<u>ADD</u> 54	0 452 661 A3	10/23/1991	EPO	N/A

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(including author, title, pertinent pages, etc.)

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- ADD 55 D.M. Rowe, Ph.D., D.Sc., *CRC Handbook of THERMOELECTRICS*, CRC Press, 1995.
- ADD 56 Bass, John C. et al., *Improved Thermoelectric Converter Units and Power Generators*, Electronics Tech Briefs, December 1999.
- ADD 57 DiSalvo, Francis, J., *Thermoelectric Cooling and Power Generation*, Science, Vol. 285 (30 July 1999), pp. 703-706.
- ADD 58 Mahan, G.D. et al., *Multilayer Thermionic Refrigerator and Generator*, Journal of Applied Physics, Vol. 83, No. 9, May 1, 1998, pp. 4683-4689.
- ADD 59 Mahan, G.D., et al., *Multilayer Thermionic Refrigeration*, Physical Review Letters, Vol. 80, No. 18, May 4, 1998, pp. 4016-4019.
- ADD 60 Rasor, Ned S., *VA. Technology of Thermoelectric and Thermionic Energy Conversion*, RASOR Associates Report, 1989, pp. 397-413.
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- ADD 62 Lin, T.P. et al., *Thermionic Emission Including Both Space-charge and Image Forces*, Journal of Applied Physics, Vol. 85, No. 8, April 15, 1989, pp. 3205-3211.
- ADD 63 Capper, Peter, *Properties of Narrow Gap Cadmium-based Compounds*, EMIS Datareviews Series No. 10, December 1993, pp. 207-211
- ADD 64 Bates, Clayton W. Jr., *Low-temperature Thermionic Emitters Using Metal-semiconductor Composites*, Materials Letters, Vol. 23, April 1995, pp. 1-5.
- ADD 65 Shakouri, Ali et al., *Heterostructure Integrated Thermionic Coolers*, Applied Physics Letters, Vol. 71, No. 9, September 1, 1997, pp. 1234-1236.

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- ADD 66 Collier, C.P. et al., *Electronically Configurable Molecular-Based Logic Gates*, Science, Vol. 285, July 16, 1999, pp. 391-394.
- ADD 67 Hagelstein, P.L. et al., *Enhanced Figure of Merit in Thermal to Electrical Energy Conversion Using Diode Structures*, Applied Physics Letters, Vol. 81, No. 3, July 15, 2002, pp. 559-561.
- ADD 68 Kucherov, Y. et al. *Energy Conversion Using Diode-like Structures*, Proceedings of the 21st International Conference on Thermoelectronics, 2002.
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- ADD 70 Hagelstein, P.L. et al. *Thermally-Induced Current Injection across an npn Structure*, Proceedings of the 22nd International Conference on Thermoelectrics, 2003.
- ADD 71 Kucherov, Y. et al. *Study of Emitter Structures for InSb Thermal Diodes*, Proceedings of the 22nd International Conference on Thermoelectrics, 2003.
- ADD 72 Venkatasubramanian, R. et al. *Thin-Film Thermoelectric Devices with High Room-Temperature Figures of Merit*, Nature, Vol. 413, October 11, 2001

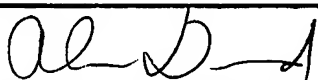
References Cited by Applicants

While the filing of Information Disclosure Statements is voluntary, the procedure is governed by the guidelines of Section 609 of the Manual of Patent Examining Procedure and 37 C.F.R. §§ 1.97 and 1.98. To be considered a proper Information Disclosure Statement, Form PTO-1449 shall be accompanied by a copy of each listed patent or publication or other item of information and a translation of the pertinent portions of foreign documents (if an existing translation is readily available to the applicant), an explanation of relevance of each reference not in the English language, and should be submitted in a timely manner as set out in MPEP Sec. 609.

Examiners will consider all citations submitted in conformance with 37 C.F.R. § 1.98 and MPEP Sec. 609 and place their initials adjacent the citations in the spaces provided on this form. Examiners will also initial citations not in conformance with the guidelines which may have been considered. A reference may be considered by the Examiner for any reason whether or not the citation is in full conformance with the guidelines. A line will be drawn through a citation if it is not in conformance with the guidelines AND has not been considered. A copy of the submitted form, as reviewed by the Examiner, will be returned to the applicant with the next communication. The original of the form will be entered into the application file.

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Form PTO-1449

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Group: 2812

The reference designations "A1," "A2," etc. (referring to Applicant's reference 1, Applicant's reference 2, etc.) will be used by the Examiner in the same manner as Examiner's reference designations "A," "B," "C," etc. on Office Action Form PTO-1142.

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Alan D. A

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Atty Docket No.: 13693.22.1

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Group: 1753

PCT E SOLID STATE ENERGY CONVERTER

INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANTU.S. Patent Documents

Examiner Initial*	Document Number	Issue Date	Name
AO 1	6,060,331	05/09/2000	Shakouri et al.
AO 2	6,323,414 B1	11/27/2001	Shakouri et al.

References Cited by Applicants

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